

6 Ports 10M/100M Genius PoE Switch

【Product Description】

6-port 100M Ethernet Power Switch (POE Switch) , using high-quality high-speed network IC and the most stable POE chip, The switch incorporates the latest AI function, with two port priorities, POE priority and network priority, one-click intelligence. POE port support 802.3af and 802.3at standard both, add power occupancy indicator light to quickly know the overall power consumption of the product. This series of POE Switch provide seamless connectivity for 10/100M Ethernet, and the POE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. The non-POE device intelligently detects no power and only transmits data.

【Main features】

- 4*10/100M POE ports + 2* 10/100M Ethernet Uplink ports
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3af/at standards
- Ethernet port supports 10/100M adaptive and POE functions
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard
- Support port auto flip (Auto MDI/MDIX)
- Exchange mechanism using store-and-forward
- 4-speed power occupancy ratio display light board
- Zero configuration feature, automatically supplied to adaptive devices
- Panel indicator monitoring status and help failure analysis
- With three-speed one-click smart dial switch, support VLAN, Genius PoE, Extend three modes
- Supports serial port POE priority, the front port has higher priority than the later port.
- Support link monitoring, abnormal self-test and recovery
- Support port Surge Protection: Common mode 4KV; ESD 8KV, Contact 6KV

【Application Environment】

- Metro Optical Broadband Network: Data network operators such as telecommunications, cable TV, and network system integration, etc.
- Broadband private network: suitable for financial, government, oil, railway, electric power, public security,

transportation, education and other industries

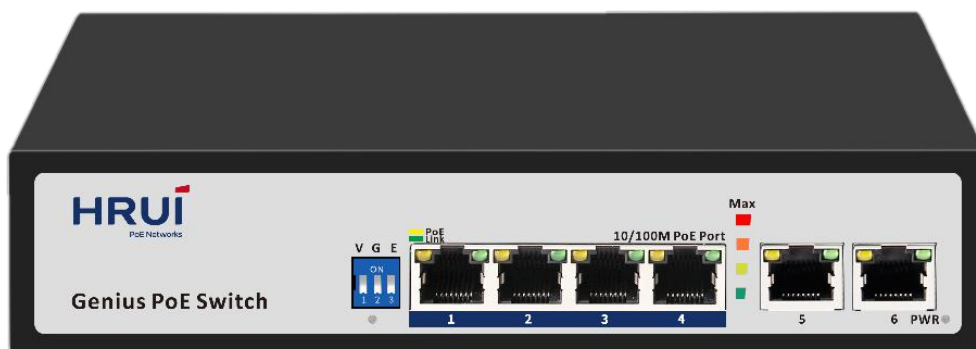
- Multimedia transmission: integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications
- Real-time monitoring: simultaneous transmission of real-time control signals, images and data

【Technical indicators】

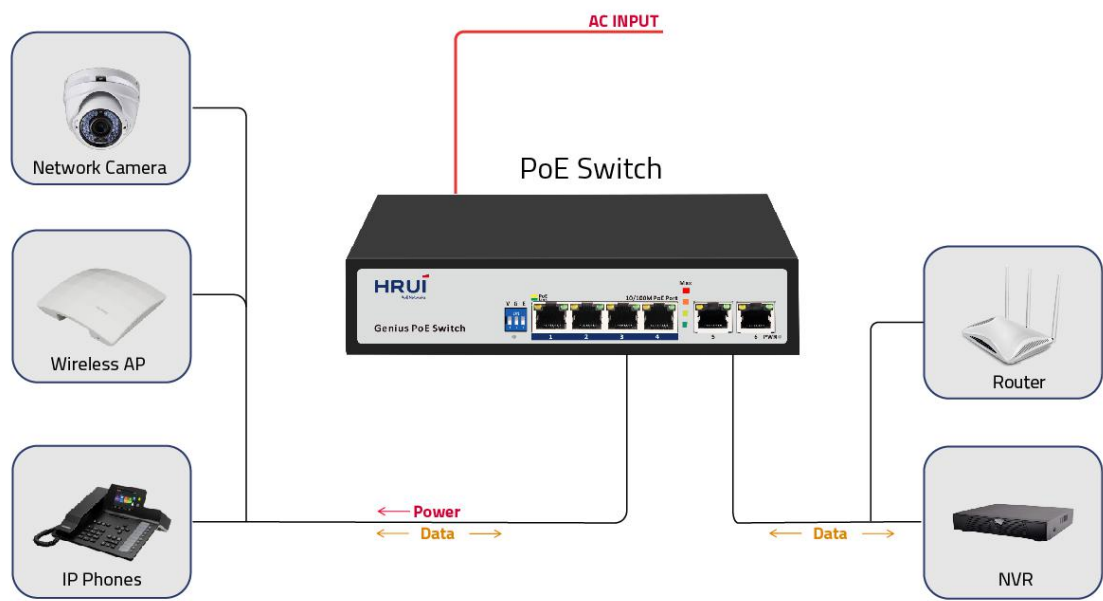
| I/O Interface | |
|----------------------|--|
| Power | Input: AC 100-240V, 50/60Hz |
| Ethernet | 4 Port 10/100M PoE + 2 Port 100M Ethernet Uplink |
| Performance | |
| Switching Capacity | 1.2Gbps |
| Throughput | 0.8928Mpps |
| Packet Buffer | 448K |
| MAC Address | 2K |
| Jumbo Frame | 2Kbytes |
| Transfer Mode | Store and forward |
| MTBF | 100000 hour |
| Standard | |
| Network protocol | IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) IEEE802.3ab (1000Base-TX) IEEE802.3x (Flow control) |
| PoE Protocol | IEEE802.3af (15.4W) IEEE802.3at (30W) |
| Industry Standard | EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT)、EN61000-4-5 (Surge) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6 |
| Network Medium | 10Base-T : Cat3、4、5 or above UTP(≤100m) 100Base-TX : Cat5 or above UTP(≤100m) 1000Base-TX : Cat5 or above UTP(≤100m) |
| Protection | |
| Security Certificate | CE、FCC、RoHS |

| Environment | |
|---------------------|---|
| Working Environment | Working Temperature: -20~50°C Storage Temperature: -40~85°C Working Humidity : 10%~90%, non-condensing Storage Temperature: 5%~90%, non-condensing Working Height: Maximum10,000 feet Storage heigh: Maximum 10,000 feet |
| Indication | |
| LED Indicators | PWR (power supply) , Mode (DIP) , Green (Link&Data) , Yellow (PoE/1000M) 、 Power Display |
| DIP Switch | VLAN: Port Isolation, 1-4 port is isolated each other, but all can communicate with uplink port 5/6, AI enable; Genius PoE: Enable the PoE Watchdog and port Priority(Priority (port1>port2>port3>port4..), the port at the front of the sequence is first powered by POE and data transmit; Extend: Extend Mode, support 250 meters transmission on 10Mbps/s (standard version); |
| Mechanical | |
| Structure Size | Product Dimension (L*W*H): 200mm*120mm*45mm Package Dimension (L*W*H): 245mm*190mm*60mm N.W: 0.6kg G.W: 0.9kg |
| Packing Info | Carton MEAS: 505*320*402mm Packing Qty: 20 units Packing Weight: 19KG |
| Power Voltage | Input Voltage : AC 100-240 V Power supply: 52V1.25A |
| Package List | Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Warranty card 1 pc, Brackets 1 pair(Selectable) |
| Ordering Info | |
| HR100-AF-42N | 4-port 10/100M Genius PoE Switch |

【Product Rendering】



【Connection schematic diagram】



【Appendix】

| DIP | V | G | E | Status | Mode |
|-----|------|------|------|------------------|--------------------------|
| | down | down | down | Turn off | Standard Switching |
| | down | up | down | Turn off | PoE Watchdog |
| | down | down | up | Flashing Slowly | Extend |
| | down | up | up | Flashing Slowly | Extend+PoE Watchdog |
| | up | down | down | Lighting | VLAN |
| | up | up | down | Lighting | VLAN+PoE Watchdog |
| | up | down | up | Flashing Quickly | VLAN+Extend |
| | up | up | up | Flashing Quickly | Extend+VLAN+PoE Watchdog |